AMEND	MENT OF SOLICI	ITATION	/MODIFICATION OF	CONTRACT	1. C	ONTRACT ID C	ODE	PAGE OF PAGES
2. AMENDMENT/MO 0002			3. EFFECTIVE DATE 21 July 2003	4. REQUISITION/PURCHAS	SE RE		5. PROJECT N	NO. (If applicable)
6. ISSUED BY		CODE		7. ADMINISTERED BY (If	other t	han Item 6)	CODE	
CORPS OF ENC 4101 JEFFERSC	GINEER DISTRIC GINEERS ON PLAZA, N.E. E, NEW MEXICO							
8. NAME AND ADDE	RESS OF CONTRACTOR	(No., street,	county, State and ZIP Code)	<u> </u>	(√)	9A. AMENDMI	ENT OF SOLICIT	FATION NO.
						DACA47-0	3-R-0030	
					X	9B. DATED (S		
						10A. MODIFIC		TRACTS/ORDER
						10B. DATED	(SEE ITEM 13)	
CODE .		TI 110 1TF	FACILITY CODE	AMENDA SENTE OF OR				
<u></u>	11.	THIS ITE	M ONLY APPLIES TO	AMENDMENTS OF SC	DLICI			
The above num tended.	bered solicitation is ame	ended as se	t forth in Item 14. The hour	and date specified for receip	ot of C	Offers is e	xtended, X is	s not ex-
Offers must acknowl	edge receipt of this am	endment pri	or to the hour and date spe	cified in the solicitation or as	s amei	nded, by one of	the following r	nethods:
submitted; or (c) By MENT TO BE RECEIV IN REJECTION OF YO	'ED AT THE PLACE DĚS DUR OFFER. If by virtue	am which in SIGNATED F of this ame	cludes a reference to the so OR THE RECEIPT OF OFFER Indment you desire to chang	nt; (b) By acknowledging red plicitation and amendment no S PRIOR TO THE HOUR AND le an offer already submitted amendment, and is received	umber DAT I, such	s. FAILURE OF E SPECIFIED M h change may b	YOUR ACKNOW AY RESULT be made by tele	WLEDG- gram or
12. ACCOUNTING A	ND APPROPRIATION DA	ATA (If requ	ired)					
				DIFICATIONS OF CON DER NO. AS DESCRIBE			S,	
	GE ORDER IS ISSUED P DER NO. IN ITEM 10A.	PURSUANT	TO: (Specify authority) THE (CHANGES SET FORTH IN ITE	EM 14	ARE MADE IN	THE CON-	J.
B. THE ABOVE appropriation	NUMBERED CONTRAC a date, etc.) SET FORTH	T/ORDER IS IN ITEM 14	MODIFIED TO REFLECT TH , PURSUANT TO THE AUTH	HE ADMINISTRATIVE CHANG LORITY OF FAR 43.103(b).	GES (such as changes i	n paying office,	
C. THIS SUPPL	EMENTAL AGREEMENT	IS ENTERE	D INTO PURSUANT TO AUT	HORITY OF:			· · · · · · · · · · · · · · · · · · ·	
D. OTHER (Spe	cify type of modification an	nd authority)						
E. IMPORTANT:	Contractor i	is not,	is required to sign	this document and re	turn	C	opies to the	issuing office.
14. DESCRIPTION O	F AMENDMENT/MODIFIC	CATION (O	rganized by UCF section headin	gs, including solicitation/contra	ct sub	ject matter where	feasible.)	
PROJECT: DES	SIGN/BUILD VISI	TING QU	JARTERS, KIRTLAN	D AIR FORCE BASE,	, NE	W MEXICO)	
			No. DACA47-03-R-00 er provisions shall rem	30; 26 June 2003. The lain unchanged.	e fol	lowing revis	ions shall be	incorporated
								to full faces
Except as provided hand effect.	nerein, all terms and con	naitions of t	ne document referenced in I	tem 9A or 10A, as heretofor	e cha	ngea, remains i	unchanged and	in full force
15A. NAME AND TI	TLE OF SIGNER (Type or	r print)		16A. NAME AND TITLE O	F CON	ITRACTING OFF	FICER (Type or p	orint)
15B. CONTRACTOR	/OFFEROR		15C. DATE SIGNED	16B. UNITED STATES OF	AMER	RICA		16C. DATE SIGNED
/Signatur	e of person authorized t	to sign!		BY	o of C	Contracting Offic		

2. SECTION 00100, INSTRUCTIONS TO BIDDERS:

- a. On page 11 of 173, clause 52.228-1, BID GUARANTEE, paragraph (c). Change paragraph (c) to read as follows: "(c) The amount of the bid guarantee shall be 20 percent of the bid price or \$3,000,000, whichever is less."
- b. On page 14 of 174, clause FUNDS AVAILABLE, in the first sentence change \$7,700,000.00" to \$7,500,000.00".
- 3. SPECIFICATIONS: Delete the following listed pages and substitute the pages attached hereto. On the revised pages, for convenience, changes are emphasized by the amendment number in parentheses before and after changes from the previous issue. All portions of the revised (or new) pages shall apply whether or not changes have been indicated.

Delete Page

01010-104

Insert Page

Volume 1 of 3

01010-44 01010-104 thru 01010-104a

Volume 3 of 3

-- Appendix G, Lab Reports (100 pages)
Appendix O, Sheet Index
-- Appendix I, Sheet 11

//////LAST ITEM//////

Solicitation No. DACA47-03-R-0030 Page 3a of 173

PROPOSAL SCHEDULE (Cont'd)

Item		Estimated		Unit	Estimated
No.	Description	Quantity	Unit	Price	Amount
OPTIO	N NO. 1				
0006	-				
	Refrigerators and Three				
	(3) Icemakers, Complete	Job	Sum	***	\$
	TOTAL AMOUNT - OPTION NO. 1			.5	\$
OPTIO	N NO. 2				
0007	One (1) Additional Passenger Elevator,				
	Complete	Job	Sum	***	\$
0008	Final As-Built Drawings	Job	Sum	***	\$2,000.00
0009	Operation and Maintenance				
	Manuals	Job	Sum	***	\$2,000.00
	TOTAL AMOUNT - OPTION NO. 2			- · · · · · · · · · · · · · · · · · · ·	\$
OPTIO	N NO. 3	-			
0010	Eight (8) Washers and				
	Eight (8) Dryers, Complete	Job	Sum	***	\$
	TOTAL AMOUNT - OPTION NO. 3	,			\$

(2)

PROPOSAL SCHEDULE (Cont'd)

Item			Estimated	i	Unit	Es	timated
No.	Descripti	on	Quantity	Unit	Price	Am	ount
OPTIO	N NO. 4						
0011	Commercial Te System Service Government Te System Service and LAN Cable Associated Si Complete	e Entrance, lephone e Entrance, , and All	Job	Sum	***	\$	
0012	Final As-Buil	t Drawings	Job	Sum	***	\$	2,000.00
	TOTAL AMOUNT	- OPTION NO.	4			\$	
			RECAPITUL	ATION			
1. T	OTAL AMOUNT -	BASE BID				\$	
2. T	OTAL AMOUNT -	BASE BID AND	OPTIONS NO	. 1, 2, 3,	AND 4	\$	

NOTES:

- 1. Award of all Proposal Items will be made to one proposer. Award of Base Bid and Options (if awarded) will be made to one proposer. Proposers must bid on all items.
- 2. PROGRESS PAYMENT REQUESTS made by the Contractor pursuant to the provisions of Contract Clause, PAYMENTS UNDER FIXED-PRICE CONSTRUCTION CONTRACTS, shall be submitted on ENG FORM 93 to the billing office as designated on Block 26, Standard Form 1442, Solicitation, Offer and Award, back. ENG FORM 93 shall be submitted to that office on the 1st of each month in appropriate form and certified. Photocopies of the form shall be furnished on that same date to the Corps of Engineers offices designated at the Pre-Construction Conference.
- 3 EXERCISE OF OPTIONS. The Government reserves the right to exercise the option(s) by written notice to the Contractor either singularly or in any combination for up to 90 calendar days after award of the Base Bid without an increase in the Offeror's bid price. Completion of added options shall continue at the same schedule as the Base Bid unless otherwise noted in the SPECIAL CLAUSES, Paragraph 1, COMMENCEMENT, PROSECUTION AND COMPLETION OF WORK.

PROPOSAL SCHEDULE (Cont'd)

NOTES: (Cont'd)

4. EVALUATION OF OPTIONS: (FAR 52.217-5) (JUL 1990)

Except when it is determined in accordance with FAR 17.206(b) not to be in the Government's best interests, the Government will evaluate offers for award purposes by adding the total price for all options to the total price for the basic requirements. Evaluation of options will not obligate the Government to exercise the options(s).

SCHEDULE (Cont'd)

	Calendar Days Da	uidated mages alendar
Item of Work	Time Notice to Proceed	Day
OPTION NO. 2		
1.6 One (1) Additional Passenger Elevator, Complete	(If Option No. 2 is awarded, no addititime will be provided; the work shall accomplished within the time period spin the applicable sequence of work for Base Bid requirement.)	be ecified
1.7 Final As-Built Drawing	(See Note 3)	,
1.8 Operation and Maintena (O & M) Manuals	(See Note 4) -	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
OPTION NO. 3		
1.9 Eight (8) Washers and Eight (8) Dryers, Complete	(If Option No. 3 is awarded, no addititime will be provided; the work shall accomplished within the time period spin the applicable sequence of work for Base Bid requirement.)	be ecified
OPTION NO. 4		
1.10 Commercial Telephone	(If Option No. 4 is awarded, no additi	onal

(2)

System Service Entrance, Government Telephone System Service Entrance, and LAN Cable, and All Associated Site Work, Complete

time will be provided; the work shall be accomplished within the time period specified in the applicable sequence of work for the Base Bid requirement.)

(2)

(See Note 3) 1.11 Final As-Built Drawings

*Refer to Section, Environmental Protection, paragraph, Burrowing Owls, for coordination of clearing and grubbing and ground preparation activities time periods.

NOTES:

1. The completion time includes 30 calendar days for Government review of the 60% and 100% design submittal and 15 calendar days for the corrected final design submittal review. Written acknowledgement and verification of conformance to the RFP of the corrected final by the Government for each design phase or sub-phase of the work and receipt of associated construction documents shall constitute Notice to proceed with construction for the equivalent phase or sub-phase of the project.

2. Landscaping. The planting season for trees, shrubs, and vines shall be from 1 October to 30 April; planting shall be accomplished during the planting season, or portion thereof (but not less than 15 days), following substantial completion of building construction. Maintenance and replacement of trees, shrubs, and vines shall commence immediately after each plant is planted, mulched, and staked and shall continue for a period of 120 calendar days after all plants are planted, mulched, and staked.

- 6.4.2.2 All grid lines shall be labeled for the element that they locate on the foundation and framing plans.
- 6.4.2.3 Scale of Sections and Details. All foundation sections and details shall be drawn at a minimum scale of 3/4'' = 1' 0''. All roof sections and details shall be drawn at a minimum scale of $1\frac{1}{2}'' = 1' 0''$. The reason for these scale requirements is so the sections and details can be read when the drawings are reduced by one-half.
- 6.4.3 CESPA Standard Structural Drawing Sheets. The design drawings shall contain structural notes and typical details. These notes and details shall contain a list of the design loading criteria, a list of the strengths of the engineering materials used, the soil design values, and any other data that would be pertinent to remodeling and/or future additions. Reference CESPA Standard Structural Drawing Sheets S1, S2, S3, S4, and S5 for required minimum standard structural notes and typical details. These five sheets shall be placed as the first five sheets of the contract drawings no matter the size of the drawing sheets. There are two sets of Sheets S1, S2, S3, S4, and S5, one for reinforced ribbed mat slabs (RRMS) and one for "Floating Slabs" foundation systems as noted on the respective drawings. sheets RM1, RM2 & RM3 are for RRMS foundation systems for use on layout of the ribs (sheet RM1) and typical foundation details (sheet RM2 and RM3). Standard sheets labeled with the prefix "HC" are required standard connection details of precast/prestressed concrete hollow core planks to reinforced CMU CESPA Standard Structural Drawings Sheet RM4 contains structural walls. typical details for Turned-Down-Edge footing system. For electronic copies standard structural drawings go these to http://www.spa.usace.army.mil/ec/cadd/index.htm, click "Discipline on Specific Requirements" and click on "Structural". The contact for these drawings is Mr. Mike Mitchell with the CESPA COE at 505-342-3409, Fax 505-342-3497 or email at Michael.e.Mitchell@usace.army.mil. These standard drawings are in MicroStation format. The minimum requirements for the respective notes are described in detail throughout this CESPA structural criteria document.
- 6.4.4 One Time Referencing. Specify elements of the structural drawings and specifications only one time within the contract documents (between the respective drawings sheets and between the drawings and the specifications). Excessive referencing of structural elements is a good source for modifications to the contract documents. Keyed notes help to specify items only one time on any respective drawing sheet. A few mandatory examples are as follows.
- 6.4.4.1 Slabs on Ground. Only specify the slab thickness and reinforcing on General Notes on the foundation plan sheet(s). Do not specify the slab information numerous times on the foundation plans and foundation details.
- 6.4.4.2 Footing Elevations. Footing elevations shall be specified only once in the general notes on the foundation plan sheet(s) and on the foundation plan(s) for any footing elevations that may be different from the general note specified elevations.
- 6.4.4.3 Foundation Plan Sheet(s) General Notes. The foundation plan sheet(s) shall contain as a minimum the following general notes.

(2)

(2)

Note: This raceway system is intended to provide pathways for the cables required below and for future (by others) relocations of comm. switches into the VQ building.

- (2) 8.2.5.3 **OPTION 4.** The following cables shall be provided as Option No. 4.
 - 8.2.5.3.1 Commercial Telephone System Service Entrance. Using the above conduit/raceway system, provide a communications cable(s) (probably 400 pr.) as required by PROTEL, from the telephone backboard in the VQ communication room, to the service connection point required by PROTEL (probably the comm. room in building 22010). The POC for PROTEL is/are Terry Kimbrough or Joe Spencer @ (940) 766-5566.
 - 8.2.5.3.2 Government Telephone System Service Entrance. Using the above conduit/raceway system, provide a 50 twisted pair cable (#24 AWG copper, PE-89 type telephone cable, rated for CAT-3 service, with an outer jacket overall and rated for exterior and wet location duty), from the telephone backboard in the communication room in the VQ building to the point in Building 22010 where the existing exterior telephone cable come into that building. In the communication room in the VQ, terminate the 50 pr. cable on gas-protector 188 blocks, at the other end leave 30 feet of cable coiled up and left for termination by others. The POC for the KAFB Comm. Squad. is Matthew Baugh @ (505) 853-7426.
 - 8.2.5.3.3 **LAN Cable.** Using the above conduit/raceway system, provide one 12 strand, single-mode (10 microns) loose tube, type PE-90 fiber optic cable, from the communication room in the VOQ to the point in the rear of Building 22000 (the Off. Club) where the existing exterior FO cables come into that building (a storage/communications room). Terminate both ends of the FO cable on LTUs. In the VOQ locate the LTUs in the LAN rack required below. In building 22000, locate the LTUs as necessary (wall mounted or in a rack if available. Install pull wires in vacant inner ducts.

(2)

- 8.2.5.4 Not Used.
- 8.2.5.5 Other Communication Cables in Area. There are existing communications cables in the construction site area of the VQ Building. For descriptions and locations of those cables, see the Communications Dwg in the attached. Any communications cables which are affected by the construction of the VQ building shall be repaired or relocated, as necessary, by the contractor as part of this project. All repairs or relocations shall be with replacements "in kind". Note: Existing cables may not remain in place under the foundation of the new building. All existing cables in locations under the new building footprint must be relocated. For general communication cable coordination, the POC for the KAFB Comm. Squad. is Matthew Baugh @ (505) 853-7426.
- 8.2.5.6 CATV System Service Entrance. The Contractor shall contact the CATV provider for the KAFB area and shall be responsible for installation of a CATV service to the new dorm building. The exterior cabling and CATV service to existing and the new buildings in this work shall be per the CATV company's standards, specifications, and requirements. Any costs or

reimbursements required by the CATV companies to provide CATV service to the existing and new buildings shall be the responsibility of the Contractor and shall be considered to be part of this contract. The CATV service to this project shall be consistent with and appropriate for providing the CATV services. Contractor shall contact and coordinate with PROTEL and the cable company through the Contracting Officer prior to any demolition of the building to determine whether they would like to salvage any equipment.

8.2.6 Miscellaneous.

8.2.6.1 Road Crossings. It shall be the responsibility of the Contractor to provide proper coordination and obtain all necessary permits, approvals, etc., before installing the crossings. All road crossings of existing roads shall be done with boring; Contractor shall provide steel casing sleeve for electrical utility concrete.

JEO-EST

June 24, 2003

Department of the Army Albuquerque District Corps of Engineers 4101 Jefferson Plaza NE Albuquerque, NM 87109 Project No. 6-30501

PROJECT:

Visiting Officer Quarters, Kirkland AFB

SAMPLE LOCATION:

1 @ 2 1/2

SAMPLE:

Silty Clay (CL)

ATTERBERG LIMITS (ASTM D-4318)

Liquid Limit

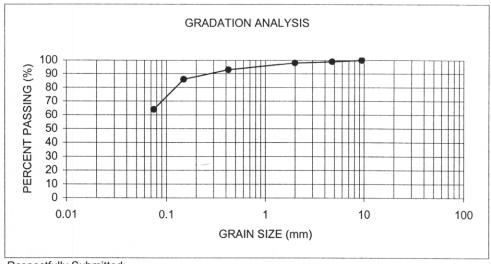
23

Plasticity Index:

9

SIEVE ANALYSIS (ASTM D-422)(Material Retained on .075mm)

Sieve size	Percent Passing
1.5"	
1" 3/4"	
1/2"	
3/8"	100
No. 4	99
No. 10	98
No. 40	93
No. 100	86
No. 200	63.9
Moisture Content (%):	11.1



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8528 CALLE ALAMEDA NE ALBUQUERQUE, NEW MEXICO 87113 (505) 857-0933 FAX (505) 857-0803

2805-A LAS VEGAS CT. LAS CRUCES NEW MEXICO 88007 (505) 526-6260 FAX (505) 523-1660 Respectfully Submitted: GEO-TEST, INC.

Tim Byres, SET



Department of the Army Albuquerque District Corps of Engineers 4101 Jefferson Plaza NE Albuquerque, NM 87109 Project No. 6-30501

PROJECT:

Visting Officer Quarters- Kirkland AFB

SAMPLE LOCATION:

1 @ 5'

SAMPLE:

Silty clay (CL)

ATTERBERG LIMITS (ASTM D-4318)

Liquid Limit

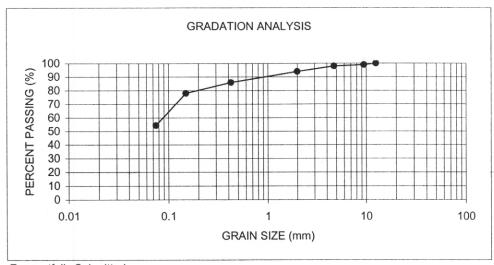
28

Plasticity Index:

15

SIEVE ANALYSIS (ASTM D-422)(Material Retained on .075mm)

Sieve size		Percent Passing
1.5"		
1" 3/4"		
1/2"		100
3/8"		99
No. 4		98
No. 10		94
No. 40		86
No. 100		78
No. 200		54.3
Moisture Cor	itent (%):	9.2



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Lim Byres, SET

DEO-IEST

June 24, 2003

Department of the Army Albuquerque District Corps of Engineers 4101 Jefferson Plaza NE Albuquerque, NM 87109

Project No. 6-30501

PROJECT:

Visiting Officer Quarters, Kirkland AFB

SAMPLE LOCATION:

1 @ 7 1/2'

SAMPLE:

Silty Clay (CL)

ATTERBERG LIMITS (ASTM D-4318)

Liquid Limit

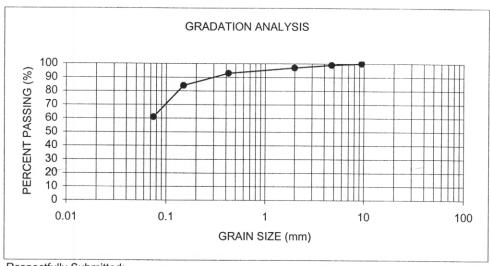
NV

Plasticity Index:

NP

SIEVE ANALYSIS (ASTM D-422)(Material Retained on .075mm)

Sieve size	Percent Passing
1.5"	
1"	
3/4"	
1/2"	
3/8"	100
No. 4	99
No. 10	97
No. 40	93
No. 100	84
No. 200	60.9
Moisture Content (%):	9.7



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GEO-TEST, INC.

Tim Byres, SET



Department of the Army Albuquerque District Corps of Engineers 4101 Jefferson Plaza NE Albuquerque, NM 87109 Project No. 6-30501

PROJECT:

Visiting Officer Quarters- Kirkland AFB

SAMPLE LOCATION:

1 @ 10'

SAMPLE:

Silty Clay (CL)

ATTERBERG LIMITS (ASTM D-4318)

Liquid Limit

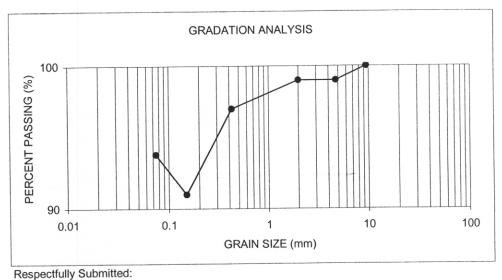
22

Plasticity Index:

5

SIEVE ANALYSIS (ASTM D-422)(Material Retained on .075mm)

Sieve size		Percent Passing
1.5" 1" 3/4"		
1/2" 3/8"		100
No. 4 No. 10		99 99
No. 40 No. 100		97 91
No. 200		73.8
Moisture Conter	nt (%):	11.5



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Tim Byres, SET



Department of the Army Albuquerque District Corps of Engineers 4101 Jefferson Plaza NE Albuquerque, NM 87109 Project No. 6-30501

PROJECT:

Visiting Officer Quarters, Kirkland AFB

SAMPLE LOCATION:

1 @ 12 1/2

SAMPLE:

Silty Sand (SM)

ATTERBERG LIMITS (ASTM D-4318)

Liquid Limit

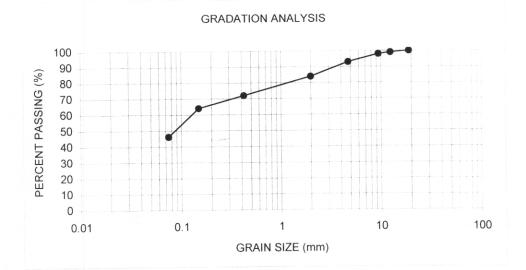
NV

Plasticity Index:

NP

SIEVE ANALYSIS (ASTM D-422)(Material Retained on .075mm)

Sieve size		Percent Passing
1.5"		
1"		
3/4"		100
1/2"		99
3/8"		98
No. 4		93
No. 10		84
No. 40		72
No. 100		64
No. 200		46.2
Moisture Cor	ntent (%):	7.7



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2805-A LAS VEGAS CT. LAS CRUCES NEW MEXICO 88007 (505) 526-6260 FAX (505) 523-1660 GEO-TEST, INC.

Respectfully Submitted:

Addressee: (2)

Tim Byres, SET



Department of the Army Albuquerque District Corps of Engineers 4101 Jefferson Plaza NE Albuquerque, NM 87109 Project No. 6-30501

PROJECT:

Visiting Officer Quarters, Kirkland AFB

SAMPLE LOCATION:

1 @ 15'

SAMPLE:

Silty Sand (SM)

ATTERBERG LIMITS (ASTM D-4318)

Liquid Limit

NV

Plasticity Index:

NP

SIEVE ANALYSIS (ASTM D-422)(Material Retained on .075mm)

Sieve size	Percent Passing
1.5" 1" 3/4"	
1/2"	100
3/8"	98
No. 4	95
No. 10	86
No. 40	71
No. 100	61
No. 200	39.6
Moisture Content (%):	6.8

GRADATION ANALYSIS 100 90 PERCENT PASSING (%) 80 70 60 50 40 30 20 10 0 100 10 0.01 0.1 GRAIN SIZE (mm)

GEO-TEST, INC. 3204 RICHARDS LANE SANTA FE, NEW MEXICO 87507 (505) 471-1101 FAX (505) 471-2245

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2805-A LAS VEGAS CT. LAS CRUCES NEW MEXICO 88007 (505) 526-6260 FAX (505) 523-1660

Tim Byres, SET

GEO-TEST, INC.

Respectfully Submitted:



Department of the Army Albuquerque District Corps of Engineers 4101 Jefferson Plaza NE Albuquerque, NM 87109 Project No. 6-30501

PROJECT:

Visiting Officer Quarter, Kirkland AFB

SAMPLE LOCATION:

1 @ 17 1/2 '

SAMPLE:

Silty Sand (SM)

ATTERBERG LIMITS (ASTM D-4318)

Liquid Limit

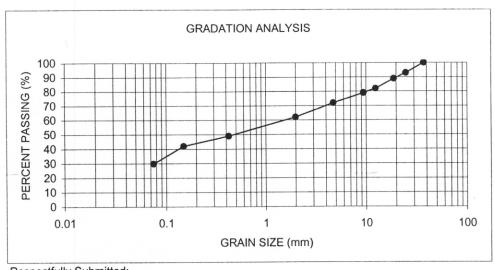
NV

Plasticity Index:

NP

SIEVE ANALYSIS (ASTM D-422)(Material Retained on .075mm)

Percent Passing
100
93
89
82
79
72
62
49
42
29.8
6.8



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8528 CALLE ALAMEDA NE ALBUQUERQUE, NEW MEXICO 87113 (505) 857-0933 FAX (505) 857-0803

2805-A LAS VEGAS CT. LAS CRUCES NEW MEXICO 88007 (505) 526-6260 FAX (505) 523-1660 Respectfully Submitted:

GEO-TEST, INC.

Tim Byres SET



Department of the Army Albuquerque District Corps of Engineers 4101 Jefferson Plaza NE Albuquerque, NM 87109 Project No. 6-30501

PROJECT:

Visiting Officer Quarters Kirkland AFB

SAMPLE LOCATION:

1@20'

SAMPLE:

Clayey Sand (SC)

ATTERBERG LIMITS (ASTM D-4318)

Liquid Limit

22

Plasticity Index:

10

SIEVE ANALYSIS (ASTM D-422)(Material Retained on .075mm)

Sieve size	Percent Passing
1.5"	
1"	
3/4"	100
1/2"	98
3/8"	97
No. 4	96
No. 10	93
No. 40	85
No. 100	74
No. 200	49.9
Moisture Content (%):	6.9

GRADATION ANALYSIS 100 90 PERCENT PASSING (%) 80 70 60 50 40 30 20 10 0 10 100 0.01 0.1 GRAIN SIZE (mm)

GEO-TEST, INC. 3204 RICHARDS LANE SANTA FE, NEW MEXICO 87507 (505) 471-1101 FAX (505) 471-2245

8528 CALLE ALAMEDA NE ALBUQUERQUE, NEW MEXICO 87113 (505) 857-0933 FAX (505) 857-0803

2805-A LAS VEGAS CT. LAS CRUCES NEW MEXICO 88007 (505) 526-6260 FAX (505) 523-1660

Tim Byres, SET

GEO-TEST, INC

Respectfully Submitted:



Department of the Army Albuquerque District Corps of Engineers 4101 Jefferson Plaza NE Albuquerque, NM 87109 Project No. 6-30501

PROJECT:

Visiting Officer Quarters, Kirkland AFB

SAMPLE LOCATION:

1 @ 22 1/2 '

SAMPLE:

Silt (ML)

ATTERBERG LIMITS (ASTM D-4318)

Liquid Limit

NV

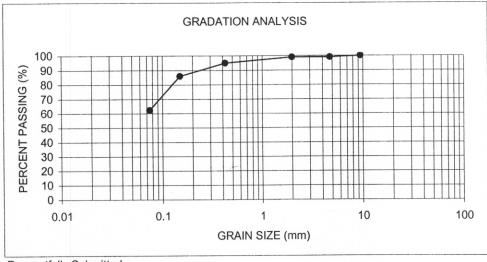
Plasticity Index:

NP

SIEVE ANALYSIS (ASTM D-422)(Material Retained on .075mm)

Sieve size	Percent Passing
1.5"	
1"	
3/4"	
1/2"	
3/8"	100
No. 4	99
No. 10	99
No. 40	95
No. 100	86
No. 200	62.5

Moisture Content (%):



Respectfully Submitted: GEO-TEST, INC.

Tim Byres, SET

Addressee: (2)

GEO-TEST, INC. 3204 RICHARDS LANE SANTA FE, NEW MEXICO 87507 (505) 471-1101 FAX (505) 471-2245

8528 CALLE ALAMEDA NE ALBUQUERQUE, NEW MEXICO 87113 (505) 857-0933 FAX (505) 857-0803

2805-A LAS VEGAS CT. LAS CRUCES NEW MEXICO 88007 (505) 526-6260 FAX (505) 523-1660 JEO-EST

June 24, 2003

Department of the Army Albuquerque District Corps of Engineers 4101 Jefferson Plaza NE Albuquerque, NM 87109

Project No. 6-30501

PROJECT:

Visiting Officer Quarters Kirkland AFB

SAMPLE LOCATION:

1 @ 27 1/2 '

SAMPLE:

Slightly silty sand (SM-SP)

ATTERBERG LIMITS (ASTM D-4318)

Liquid Limit

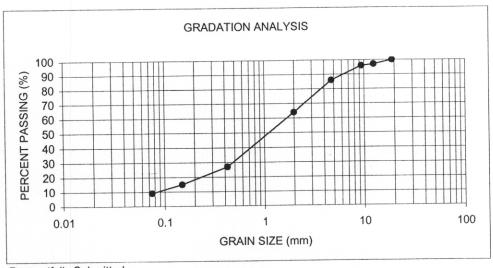
NV

Plasticity Index:

NP

SIEVE ANALYSIS (ASTM D-422)(Material Retained on .075mm)

Sieve size	Percent Passing
1.5"	
1"	
3/4"	100
1/2"	97
3/8"	96
No. 4	86
No. 10	64
No. 40	27
No. 100	15
No. 200	9
Moisture Content (%):	2.5



87507 (505) 471-1101 FAX (505) 471-2245

8528 CALLE ALAMEDA NE ALBUQUERQUE, **NEW MEXICO**

GEO-TEST, INC. 3204 RICHARDS LANE

NEW MEXICO

SANTA FE,

87113 (505) 857-0933

FAX (505) 857-0803

2805-A LAS VEGAS CT. LAS CRUCES **NEW MEXICO** 88007 (505) 526-6260 FAX (505) 523-1660

Respectfully Submitted: GEO-TEST, INC.

Tim Byree, SET



Department of the Army Albuquerque District Corps of Engineers 4101 Jefferson Plaza NE Albuquerque, NM 87109 Project No. 6-30501

PROJECT:

Visiting Officer Quarters, Kirkland AFB

SAMPLE LOCATION:

1 @ 30'

SAMPLE:

Clayey Sand (SC)

ATTERBERG LIMITS (ASTM D-4318)

Liquid Limit

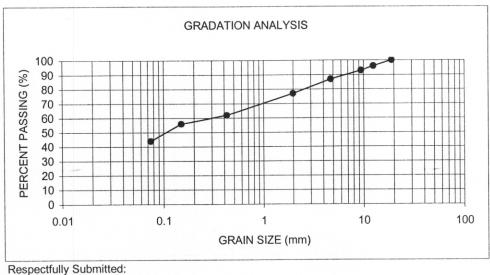
23

Plasticity Index:

10

SIEVE ANALYSIS (ASTM D-422)(Material Retained on .075mm)

Sieve size	Percent Passing
1.5"	
1"	
3/4"	100
1/2"	96
3/8"	93
No. 4	87
No. 10	77
No. 40	62
No. 100	56
No. 200	43.9
Moisture Content (%):	7.8



GEO-TEST, INC. 3204 RICHARDS LANE SANTA FE, NEW MEXICO 87507 (505) 471-1101 FAX (505) 471-2245

8528 CALLE ALAMEDA NE ALBUQUERQUE, NEW MEXICO 87113 (505) 857-0933 FAX (505) 857-0803

2805-A LAS VEGAS CT. LAS CRUCES NEW MEXICO 88007 (505) 526-6260 FAX (505) 523-1660 GEO-TEST, INC

Tim Byres, SET



Department of the Army Albuquerque District Corps of Engineers 4101 Jefferson Plaza NE Albuquerque, NM 87109 Project No. 6-30501

PROJECT:

Visiting Officer Quarters, Kirkland AFB

SAMPLE LOCATION:

2 @ 2 1/2'

SAMPLE:

Clayey Sand (SC)

ATTERBERG LIMITS (ASTM D-4318)

Liquid Limit

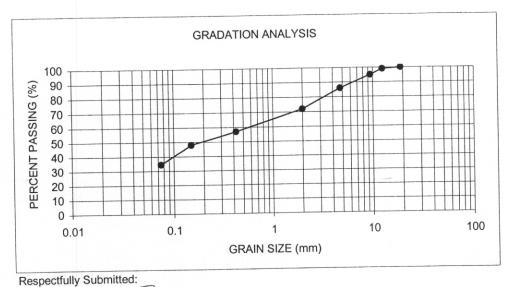
34

Plasticity Index:

18

SIEVE ANALYSIS (ASTM D-422)(Material Retained on .075mm)

Sieve size	Percent Passing
1.5"	
1"	
3/4"	100
1/2"	99
3/8"	95
No. 4	86
No. 10	72
No. 40	57
No. 100	48
No. 200	34.5
Moisture Content (%):	5.5



GEO-TEST, INC. 3204 RICHARDS LANE SANTA FE, NEW MEXICO 87507 (505) 471-1101 FAX (505) 471-2245

8528 CALLE ALAMEDA NE ALBUQUERQUE, NEW MEXICO 87113 (505) 857-0933 FAX (505) 857-0803

2805-A LAS VEGAS CT. LAS CRUCES NEW MEXICO 88007 (505) 526-6260 FAX (505) 523-1660 GEO-TEST, INC.

Tim Byres, SET



Department of the Army Albuquerque District Corps of Engineers 4101 Jefferson Plaza NE Albuquerque, NM 87109

Project No. 6-30501

PROJECT:

Visiting Officer Quarters, Kirkland AFB

SAMPLE LOCATION:

2@5'

SAMPLE:

Silty Gravelly Sand (SM)

ATTERBERG LIMITS (ASTM D-4318)

Liquid Limit

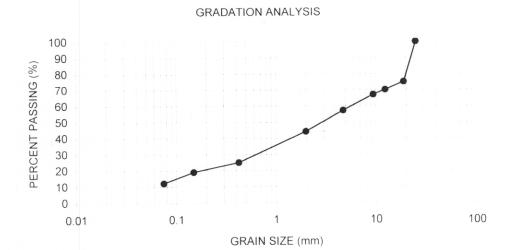
NV

Plasticity Index:

NP

SIEVE ANALYSIS (ASTM D-422)(Material Retained on .075mm)

Sieve size	Percent Passing
1.5"	
1"	100
3/4"	75
1/2"	70
3/8"	67
No. 4	57
No. 10	44
No. 40	25
No. 100	19
No. 200	12.2
Moisture Content (%):	1.1



8528 CALLE ALAMEDA NE ALBUQUERQUE, **NEW MEXICO** 87113

GEO-TEST, INC.

NEW MEXICO 87507

(505) 471-1101

FAX (505) 471-2245

SANTA FE,

3204 RICHARDS LANE

(505) 857-0933

FAX (505) 857-0803

2805-A LAS VEGAS CT. LAS CRUCES **NEW MEXICO** 88007 (505) 526-6260 FAX (505) 523-1660

Tim Byres, SET

GEO-TEST, INC.

Respectfully Submitted:



Department of the Army Albuquerque District Corps of Engineers 4101 Jefferson Plaza NE Albuquerque, NM 87109 Project No. 6-30501

PROJECT:

Visiting Officer Quarters, Kirkland AFB

SAMPLE LOCATION:

2 @ 7 1/2'

SAMPLE

Slightly Silty Sand (SM-SP)

ATTERBERG LIMITS (ASTM D-4318)

Liquid Limit

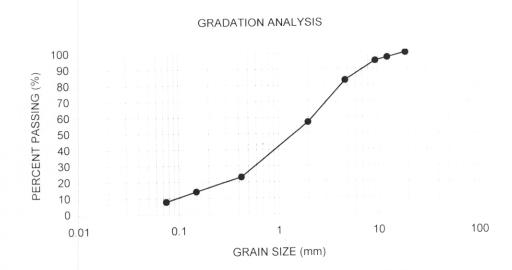
NV

Plasticity Index:

NP

SIEVE ANALYSIS (ASTM D-422)(Material Retained on .075mm)

Sieve size	Percent Passing
1.5"	
1"	
3/4"	100
1/2"	97
3/8"	95
No. 4	83
No. 10	57
No. 40	23
No. 100	14
No. 200	7.8
Moisture Content (%):	1.5



GEO-TEST, INC. 3204 RICHARDS LANE SANTA FE, NEW MEXICO 87507 (505) 471-1101 FAX (505) 471-2245

8528 CALLE ALAMEDA NE ALBUQUERQUE, NEW MEXICO 87113 (505) 857-0933 FAX (505) 857-0803

2805-A LAS VEGAS CT. LAS CRUCES NEW MEXICO 88007 (505) 526-6260 FAX (505) 523-1660

Tim Byres, SET

GEO-TEST, INC.

Respectfully Submitted:



Department of the Army Albuquerque District Corps of Engineers 4101 Jefferson Plaza NE Albuquerque, NM 87109 Project No. 6-30501

PROJECT:

Visiting Officer Quarters, Kirkland AFB

SAMPLE LOCATION:

2@10'

SAMPLE:

Slightly Silty Sand (SM-SP)

ATTERBERG LIMITS (ASTM D-4318)

Liquid Limit

19

Plasticity Index:

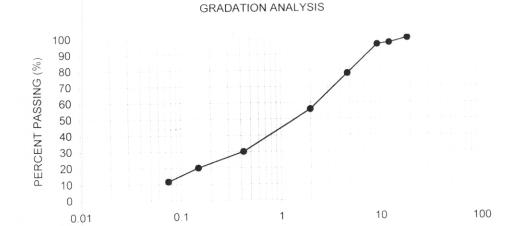
2

SIEVE ANALYSIS (ASTM D-422)(Material Retained on .075mm)

Sieve size	Percent Passing
1.5"	
3/4"	100
1/2"	97
3/8"	96
No. 4	78
No. 10	56
No. 40	30
No. 100	20
No. 200	11.7
Maistura Content (%):	1.9

Moisture Content (%):

1.9



GRAIN SIZE (mm)

Respectfully Submitted

GEO-TEST, INC.

Tim Byres, SET

Addressee: (2)

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8528 CALLE ALAMEDA NE ALBUQUERQUE, NEW MEXICO 87113 (505) 857-0933 FAX (505) 857-0803

2805-A LAS VEGAS CT. LAS CRUCES NEW MEXICO 88007 (505) 526-6260 FAX (505) 523-1660



Department of the Army Albuquerque District Corps of Engineers 4101 Jefferson Plaza NE Albuquerque, NM 87109 Project No. 6-30501

PROJECT:

Visiting Officer Quarters

SAMPLE LOCATION:

2 @ 12 1/2'

SAMPLE:

Slightly Silty Sand (SM-SP)

ATTERBERG LIMITS (ASTM D-4318)

Liquid Limit

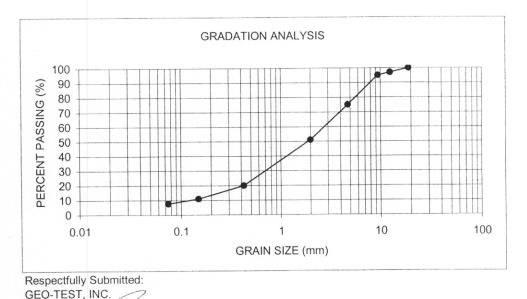
NV

Plasticity Index:

NP

SIEVE ANALYSIS (ASTM D-422)(Material Retained on .075mm)

Sieve size	Percent Passing
1.5"	
1" 3/4"	100
1/2"	97
3/8"	95
No. 4	75
No. 10	51
No. 40	20
No. 100	11
No. 200	7.6
Moisture Content (%):	1.2



GEO-TEST, INC. 3204 RICHARDS LANE SANTA FE, NEW MEXICO 87507 (505) 471-1101 FAX (505) 471-2245

8528 CALLE ALAMEDA NE ALBUQUERQUE, NEW MEXICO 87113 (505) 857-0933 FAX (505) 857-0803

2805-A LAS VEGAS CT. LAS CRUCES NEW MEXICO 88007 (505) 526-6260 FAX (505) 523-1660 Tim Byres, SET



Department of the Army Albuquerque District Corps of Engineers 4101 Jefferson Plaza NE Albuquerque, NM 87109 Project No. 6-30501

PROJECT:

Visiting Officer Quarters, Kirkland AFB

SAMPLE LOCATION:

2 @ 15'

SAMPLE:

Slightly Silty Sand (SM-SP)

ATTERBERG LIMITS (ASTM D-4318)

Liquid Limit

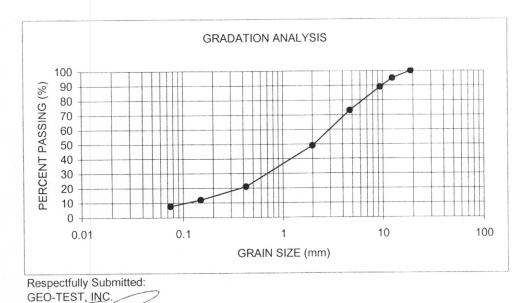
NV

Plasticity Index:

NP

SIEVE ANALYSIS (ASTM D-422)(Material Retained on .075mm)

Sieve size	Percent Passing
1.5"	
1"	
3/4"	100
1/2"	95
3/8"	89
No. 4	73
No. 10	49
No. 40	21
No. 100	12
No. 200	7.6
Moisture Content (%):	1.1



GEO-TEST, INC. 3204 RICHARDS LANE SANTA FE, NEW MEXICO 87507 (505) 471-1101 FAX (505) 471-2245

8528 CALLE ALAMEDA NE ALBUQUERQUE, NEW MEXICO 87113 (505) 857-0933 FAX (505) 857-0803

2805-A LAS VEGAS CT. LAS CRUCES NEW MEXICO 88007 (505) 526-6260 FAX (505) 523-1660 Tim Byres, SET



Department of the Army Albuquerque District Corps of Engineers 4101 Jefferson Plaza NE Albuquerque, NM 87109

Project No. 6-30501

PROJECT:

Visiting Officer Quarters, Kirkland AFB

SAMPLE LOCATION:

2 @ 17 1/2'

SAMPLE:

Silty sand with clay (SM-SC)

ATTERBERG LIMITS (ASTM D-4318)

Liquid Limit

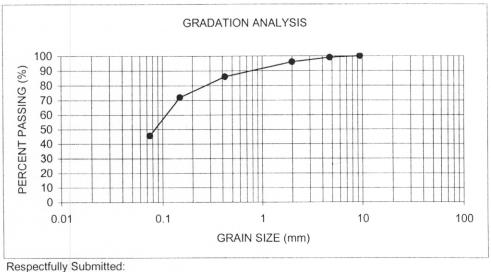
22

Plasticity Index:

6

SIEVE ANALYSIS (ASTM D-422)(Material Retained on .075mm)

Sieve size	Percent Passing
1.5" 1"	
3/4"	
1/2"	
3/8"	100
No. 4	99
No. 10	96
No. 40	86
No. 100	72
No. 200	45.6
Moisture Content (%):	4.8



GEO-TEST, INC. 3204 RICHARDS LANE SANTA FE, **NEW MEXICO** 87507 (505) 471-1101 FAX (505) 471-2245

8528 CALLE ALAMEDA NE ALBUQUERQUE, **NEW MEXICO** 87113 (505) 857-0933 FAX (505) 857-0803

2805-A LAS VEGAS CT. LAS CRUCES **NEW MEXICO** 88007 (505) 526-6260 FAX (505) 523-1660

GEO-TEST, INC.

Tim Byres, SET



Department of the Army Albuquerque District Corps of Engineers 4101 Jefferson Plaza NE Albuquerque, NM 87109 Project No. 6-30501

PROJECT:

Visiting Officer Quarters, Kirkland AFB

SAMPLE LOCATION:

2 @ 20'

SAMPLE:

Silty Clay (CL)

ATTERBERG LIMITS (ASTM D-4318)

Liquid Limit

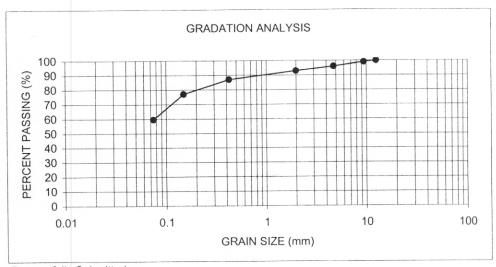
29

Plasticity Index:

16

SIEVE ANALYSIS (ASTM D-422)(Material Retained on .075mm)

Sieve size	Percent Passing
1.5"	
1"	
3/4"	
1/2"	100
3/8"	99
No. 4	96
No. 10	93
No. 40	87
No. 100	77
No. 200	59.5
Moisture Content (%):	9.2



GEO-TEST, INC. 3204 RICHARDS LANE SANTA FE, NEW MEXICO 87507 (505) 471-1101 FAX (505) 471-2245

8528 CALLE ALAMEDA NE ALBUQUERQUE, NEW MEXICO 87113 (505) 857-0933 FAX (505) 857-0803

2805-A LAS VEGAS CT. LAS CRUCES NEW MEXICO 88007 (505) 526-6260 FAX (505) 523-1660 Respectfully Submitted: GEO-TEST, INC.

Tim Byres, SET

DEO-IEST

June 24, 2003

Department of the Army Albuquerque District Corps of Engineers 4101 Jefferson Plaza NE Albuquerque, NM 87109 Project No. 6-30501

PROJECT:

Visiting Officer Quarters, Kirkland AFB

SAMPLE LOCATION:

2 @ 22 1/2'

SAMPLE:

Silty Clay (CL)

ATTERBERG LIMITS (ASTM D-4318)

Liquid Limit

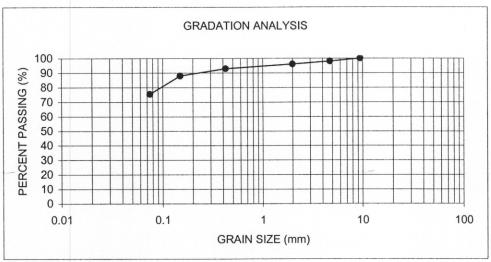
26

Plasticity Index:

15

SIEVE ANALYSIS (ASTM D-422)(Material Retained on .075mm)

Sieve size	Percent Passing
1.5" 1"	
3/4"	
1/2"	
3/8"	100
No. 4	98
No. 10	96
No. 40	93
No. 100	88
No. 200	75.5
Moisture Content (%):	13.0



GEO-TEST, INC. 3204 RICHARDS LANE SANTA FE, NEW MEXICO 87507 (505) 471-1101 FAX (505) 471-2245

8528 CALLE ALAMEDA NE ALBUQUERQUE, NEW MEXICO 87113 (505) 857-0933 FAX (505) 857-0803

2805-A LAS VEGAS CT. LAS CRUCES NEW MEXICO 88007 (505) 526-6260 FAX (505) 523-1660 Respectfully Submitted:

GEO-TEST, INC.

Tim Byres, SET



Department of the Army Albuquerque District Corps of Engineers 4101 Jefferson Plaza NE Albuquerque, NM 87109 Project No. 6-30501

PROJECT:

Visiting Officer Quarters, Kirkland AFB

SAMPLE LOCATION:

2 @ 25'

SAMPLE:

Silty Sand (SM)

ATTERBERG LIMITS (ASTM D-4318)

Liquid Limit

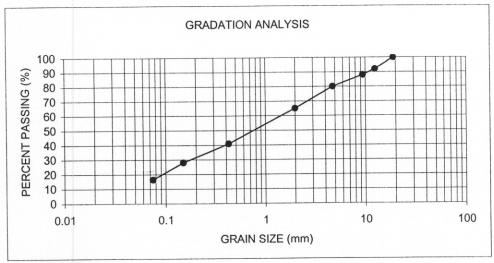
NV

Plasticity Index:

NP

SIEVE ANALYSIS (ASTM D-422)(Material Retained on .075mm)

Sieve size	Percent Passing
1.5"	
3/4"	100
1/2"	92
3/8"	88
No. 4	80
No. 10	65
No. 40	41
No. 100	28
No. 200	16.3
Moisture Content (%):	2.0



GEO-TEST, INC. 3204 RICHARDS LANE SANTA FE, NEW MEXICO 87507 (505) 471-1101 FAX (505) 471-2245

8528 CALLE ALAMEDA NE ALBUQUERQUE, NEW MEXICO 87113 (505) 857-0933 FAX (505) 857-0803

2805-A LAS VEGAS CT. LAS CRUCES NEW MEXICO 88007 (505) 526-6260 FAX (505) 523-1660 Respectfully Submitted:

GEO-TEST, INC.

Tim Byres, SET



Department of the Army Albuquerque District Corps of Engineers 4101 Jefferson Plaza NE Albuquerque, NM 87109 Project No. 6-30501

PROJECT:

Visiting Officer Quarters, Kirkland AFB

SAMPLE LOCATION:

2 @ 27 1/2 '

SAMPLE:

Slightly Silty Sand (SM-SP)

ATTERBERG LIMITS (ASTM D-4318)

Liquid Limit

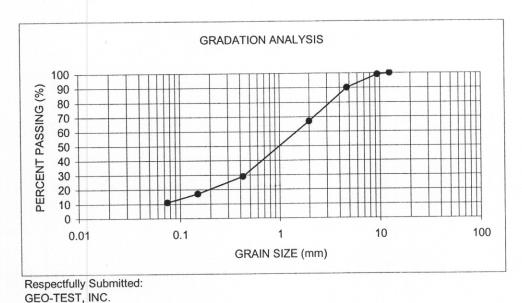
NV

Plasticity Index:

NP

SIEVE ANALYSIS (ASTM D-422)(Material Retained on .075mm)

Sieve size	Percent Passing
1.5"	
1"	
3/4"	
1/2"	100
3/8"	99
No. 4	90
No. 10	67
No. 40	29
No. 100	17
No. 200	11.1
Moisture Content (%):	1.5



GEO-TEST, INC. 3204 RICHARDS LANE SANTA FE, NEW MEXICO 87507 (505) 471-1101 FAX (505) 471-2245

8528 CALLE ALAMEDA NE ALBUQUERQUE, NEW MEXICO 87113 (505) 857-0933 FAX (505) 857-0803

2805-A LAS VEGAS CT. LAS CRUCES NEW MEXICO 88007 (505) 526-6260 FAX (505) 523-1660 Tim Byres, SET



Department of the Army Albuquerque District Corps of Engineers 4101 Jefferson Plaza NE Albuquerque, NM 87109 Project No. 6-30501

PROJECT:

Visiting Officer Quarters, Kirkland AFB

SAMPLE LOCATION:

2@30'

SAMPLE:

Silty Sand (SM)

ATTERBERG LIMITS (ASTM D-4318)

Liquid Limit

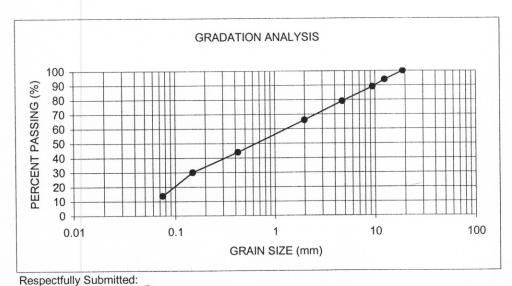
NV

Plasticity Index:

NP

SIEVE ANALYSIS (ASTM D-422)(Material Retained on .075mm)

Sieve size	Percent Passing
1.5"	
1"	
3/4"	100
1/2"	94
3/8"	89
No. 4	79
No. 10	66
No. 40	44
No. 100	30
No. 200	16.8
Moisture Content (%):	1.9



GEO-TEST, INC. 3204 RICHARDS LANE SANTA FE, NEW MEXICO 87507 (505) 471-1101 FAX (505) 471-2245

8528 CALLE ALAMEDA NE ALBUQUERQUE, NEW MEXICO 87113 (505) 857-0933 FAX (505) 857-0803

2805-A LAS VEGAS CT. LAS CRUCES NEW MEXICO 88007 (505) 526-6260 FAX (505) 523-1660 GEO-TEST, INC.

Tim Byres, SET



Department of the Army Albuquerque District Corps of Engineers 4101 Jefferson Plaza NE Albuquerque, NM 87109

Project No. 6-30501

PROJECT:

Visiting Officer Quarters, Kirkland AFB

SAMPLE LOCATION:

3@ 2 1/2'

SAMPLE:

Poorly Graded Sandy Gravel (GM-GP)

ATTERBERG LIMITS (ASTM D-4318)

Liquid Limit

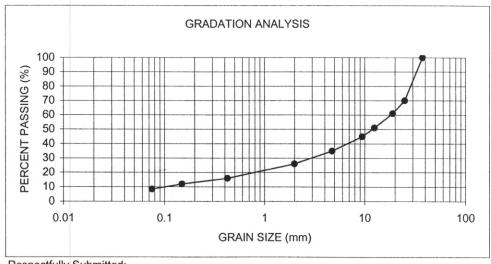
NV

Plasticity Index:

NP

SIEVE ANALYSIS (ASTM D-422)(Material Retained on .075mm)

Sieve size	Percent Passing
1.5"	100
1"	70
3/4"	61
1/2"	51
3/8"	45
No. 4	35
No. 10	26
No. 40	16
No. 100	12
No. 200	8.4
Moisture Content (%):	0.8



GEO-TEST, INC. 3204 RICHARDS LANE SANTA FE, NEW MEXICO 87507 (505) 471-1101 FAX (505) 471-2245

8528 CALLE ALAMEDA NE ALBUQUERQUE, NEW MEXICO 87113 (505) 857-0933 FAX (505) 857-0803

2805-A LAS VEGAS CT. LAS CRUCES NEW MEXICO 88007 (505) 526-6260 FAX (505) 523-1660 Respectfully Submitted: GEO-TEST, INC.

Tim Byres, SET



Department of the Army Albuquerque District Corps of Engineers 4101 Jefferson Plaza NE Albuquerque, NM 87109 Project No. 6-30501

PROJECT:

Visiting Officer Quarters, Kirkland AFB

SAMPLE LOCATION:

3@ 5'

SAMPLE:

Slighty Silty Sand (SM-SP)

ATTERBERG LIMITS (ASTM D-4318)

Liquid Limit

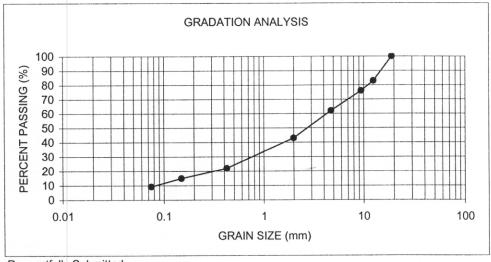
NV

Plasticity Index:

NP

SIEVE ANALYSIS (ASTM D-422)(Material Retained on .075mm)

Sieve size	Percent Passing
1.5"	
1"	
3/4"	100
1/2"	83
3/8"	76
No. 4	62
No. 10	43
No. 40	22
No. 100	15
No. 200	9.2
Moisture Content (%):	0.8



GEO-TEST, INC. 3204 RICHARDS LANE SANTA FE, NEW MEXICO 87507 (505) 471-1101 FAX (505) 471-2245

8528 CALLE ALAMEDA NE ALBUQUERQUE, NEW MEXICO 87113 (505) 857-0933 FAX (505) 857-0803

2805-A LAS VEGAS CT. LAS CRUCES NEW MEXICO 88007 (505) 526-6260 FAX (505) 523-1660 Respectfully Submitted: GEO-TEST, INC.

Tim Byres, SET



Department of the Army Albuquerque District Corps of Engineers 4101 Jefferson Plaza NE Albuquerque, NM 87109

Project No. 6-30501

PROJECT:

Visiting Officer Quarters, Kirkland AFB

SAMPLE LOCATION:

3@ 7 1/2'

SAMPLE:

Clayey Sand (SC)

ATTERBERG LIMITS (ASTM D-4318)

Liquid Limit

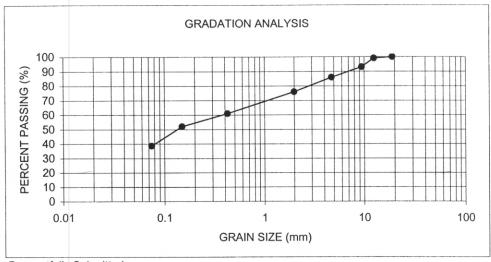
27

Plasticity Index:

12

SIEVE ANALYSIS (ASTM D-422)(Material Retained on .075mm)

Sieve size	Percent Passing
1.5" 1"	
3/4"	100
1/2"	99
3/8"	93
No. 4	86
No. 10	76
No. 40	61
No. 100	52
No. 200	38.7
Moisture Content (%):	7.8



Respectfully Submitted: GEO-TEST, INC.

Tim Byres, SET

Addressee: (2)

GEO-TEST, INC. 3204 RICHARDS LANE SANTA FE, **NEW MEXICO** 87507 (505) 471-1101 FAX (505) 471-2245

8528 CALLE ALAMEDA NE ALBUQUERQUE, **NEW MEXICO** 87113 (505) 857-0933 FAX (505) 857-0803

2805-A LAS VEGAS CT. LAS CRUCES **NEW MEXICO** 88007 (505) 526-6260 FAX (505) 523-1660



Department of the Army Albuquerque District Corps of Engineers 4101 Jefferson Plaza NE Albuquerque, NM 87109 Project No. 6-30501

PROJECT:

Visiting Officer Quarters, Kirkland AFB

SAMPLE LOCATION:

3@ 10'

SAMPLE:

Clayey Sand (SC)

ATTERBERG LIMITS (ASTM D-4318)

Liquid Limit

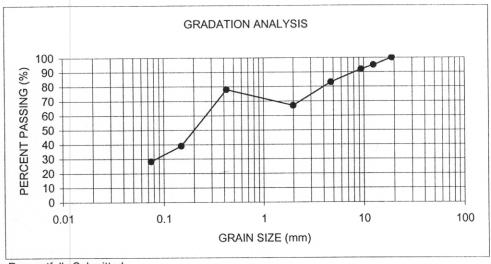
33

Plasticity Index:

16

SIEVE ANALYSIS (ASTM D-422)(Material Retained on .075mm)

Sieve size		Percent Passing
1.5"		
1" 3/4"		100
1/2"		95
3/8"		92
No. 4		83
No. 10		67
No. 40		48
No. 100		39
No. 200		28.3
Moisture Con	tent (%):	5.9



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2805-A LAS VEGAS CT. LAS CRUCES NEW MEXICO 88007 (505) 526-6260 FAX (505) 523-1660 Respectfully Submitted:

GEO-TEST, INC.

Tim Byres, SET



Department of the Army Albuquerque District Corps of Engineers 4101 Jefferson Plaza NE Albuquerque, NM 87109

PROJECT:

Visiting Officer Quarters, Kirkland AFB

Project No. 6-30501

SAMPLE LOCATION:

3@ 15'

SAMPLE:

Slightly Silty Sand (SM-SC)

ATTERBERG LIMITS (ASTM D-4318)

Liquid Limit

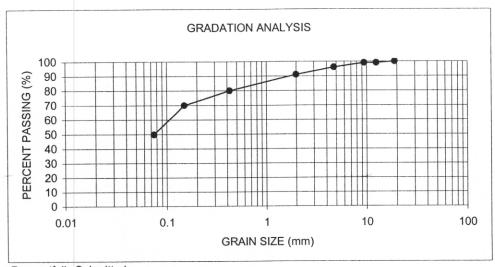
20

Plasticity Index:

7

SIEVE ANALYSIS (ASTM D-422)(Material Retained on .075mm)

Sieve size	Percent Passing
1.5"	
1" 3/4"	100
1/2"	99
3/8"	99
No. 4	96
No. 10	91
No. 40	80
No. 100	70
No. 200	49.8
Moisture Content (%):	8.6



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Respectfully Submitted:

GEO-TEST, INC.

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